

CITY OF ELKHART, INDIANA  
INDUSTRIAL WASTE QUESTIONNAIRE

SECTION A. GENERAL INFORMATION (Type or Print, Please)

1. Company Name Elkhart Products Corporation
2. Mailing Address 1255 Oak Street, POB 1008
3. Address of Premises 1255 Oak Street, Elkhart, IN 46515
4. Name and Title of Signing Official Cliff Cartwright, Corporate Plant Eng.
5. Wastewater discharges to:  
City sewer system X  
Private septic system \_\_\_\_\_
6. If your facility discharges to the City sewer system, check the types of discharges:  
X Sanitary \_\_\_\_\_ Wash water X Rinse water  
\_\_\_\_\_ Cooling water X Process water \_\_\_\_\_ Scrubber water  
\_\_\_\_\_ Other \_\_\_\_\_

Note: If your facility discharges only to a private septic system and not to the City sewer system, or if only sanitary sewage is discharged to the City sewer system, it is only necessary to fill out Section A of this questionnaire. Otherwise, complete entire questionnaire.

7. Contact Official

Name Cliff Cartwright  
Title Corporate Plant Engineer  
Address 1255 Oak Street, POB 1008, Elkhart, IN 46515  
Phone Number (219) 264-3181

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

12/14/83  
Date

Cliff Cartwright  
Signature of Official

SECTION B. PRODUCT OR SERVICE INFORMATION

1. Brief description of manufacturing or service activity on premises:

Manufacturing wrought copper fittings and drainage solder-joint fittings. Also, extrude and bend aluminum tubing.

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2. Principal Raw Materials Used:

Copper tubing and aluminum tubing.

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3. Catalysts, Intermediates:

See Section F.

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4. Principal Product or Service (use Standard Industrial Classification

Manual if appropriate): Rolling, drawing and extrusion of copper (SIC 3351) and aluminum extended products (SIC 3354).

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5. Appended to this questionnaire is a list of Standard Industrial Classification (SIC) codes for industries currently or potentially subject to USEPA pretreatment regulations. List SIC codes for each of your processes that are subject to USEPA pretreatment regulations.

SIC 3351, SIC 3354

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SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. Type of Discharge: \_\_\_\_\_ Batch X Continuous \_\_\_\_\_ Both

For batch discharges, list types, average number of batches/24 hrs.  
and volume (gallons) per batch. \_\_\_\_\_

2. Is there a scheduled shutdown? No

When? \_\_\_\_\_

3. Is production seasonal? No

If yes, explain indicating months(s) of peak production.  
\_\_\_\_\_

4. Average number of employees per shift: 169 1st; 68 2nd; 29 3rd

5. Shift start times: 6:48 AM 1st; 4:30 PM 2nd; 11:00 PM 3rd

6. Shifts normally worked each day of the week:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1st	_____	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	_____
2nd	_____	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	_____
3rd	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	_____	_____

7. Describe any wastewater treatment equipment or processes in use:

We currently neutralize the discharge from our roto-finish  
cleaning operation to achieve proper ph.  
\_\_\_\_\_  
\_\_\_\_\_

### 1. Raw Water Sources:

2. Water treatment processes in use:

3. List Water Consumption in Plant:

\*Sanitary flow can be estimated at 10 gpd per employee.

4. List average volume of discharge or water loss to:

City Wastewater Sewer	<u>45,000</u>	gallons per day
Septic Tank Discharge	<u>          </u>	gallons per day
Surface Discharge	<u>10,000</u>	gallons per day
Waste Hauler	<u>          </u>	gallons per day
Evaporation	<u>7,000</u>	gallons per day
Contained in Product	<u>          </u>	gallons per day

5. Is Discharge to Sewer: \_\_\_\_\_ Intermittent   X   Steady

6. List average water usage for SIC Processes itemized in Section B-5 above:

Regulated SIC No.	Brief Process Description	Average Water Consumption(GPD)
3351	Cleaning & polishing of copper products.	6,000

# SECTION E. SEWER CONNECTION AND DISCHARGE INFORMATION

1. List plant sewer outlets and flow: (assign sequential reference number to each sewer starting with No. 1).

<u>Reference No.</u>	<u>Descriptive Location of Sewer Connection or Discharge Point</u>	<u>Avg. Flow (gpd)</u>
<u>1</u>	<u>N.E. side of plant/flow from restrooms and floor drain.</u>	<u>4,000</u>
<u>2</u>	<u>N.E. side of plant/flow from roof and floor drains.</u>	<u>1,000</u>
<u>3</u>	<u>East side of plant/flow from sinks</u>	<u>1,500</u>
<u>4</u>	<u>S.E. side of plant/flow from cold header sump (mild alkaline cleaner)</u>	<u>1,000</u>
<u>5</u>	<u>S.E. side of plant/flow from roto-finish cleaning operation (mild citric acid cleaner)</u>	<u>10,000</u>
<u>6</u>	<u>S.E. corner of property/flow from soaping line (soap used for lubricant)</u>	<u>27,500</u>

2. Attach a scaled drawing or dimensioned sketch of the industrial complex showing location of sewer referenced in E-1 above and location of the SIC process described in Section D-5. Show location of monitoring manhole, if any, and other possible sampling points for sewers and SIC process effluents. Indicate how City industrial monitoring staff can gain access to the sampling points. For reference and field orientation buildings, streets, alleys, and other pertinent physical structures should be included.
3. Is plant required to prepare a Spill Prevention Control and Counter-measure (SPCC) Plan per 40 CFR 112 or a RCRA Contingency Plan?  
Yes If report has been prepared, attach copy. Copy attached.  
Yes If report is required, but has not yet been prepared, indicate date when it will be submitted. \_\_\_\_\_

# SECTION F. PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to Appendix A for those compounds which have an asterisk(\*).

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
1.	ammonia		X			47.	chlorobenzene		X		
2.	asbestos (fibrous)		X			48.	chloroethane*		X		
3.	cyanide (total)		X			49.	2-chloroethylvinyl ether		X		
4.	antimony (total)		X			50.	chloroform*		X		
5.	arsenic (total)		X			51.	chloromethane*		X		
6.	beryllium (total)		X			52.	2-chloronaphthalene		X		
7.	cadmium (total)				X	53.	2-chlorophenol*		X		
8.	chromium (total)				X	54.	4-chlorobenzylophenyl ether		X		
9.	copper (total)				X	55.	chrysene*		X		
10.	lead (total)				X	56.	4,4'-DDD*		X		
11.	mercury (total)		X			57.	4,4'-DDE*		X		
12.	nickel (total)				X	58.	4,4'-DDT*		X		
13.	selenium (total)		X			59.	dibenzo(a,h)anthracene*		X		
14.	silver (total)		X			60.	dibromochloromethane*		X		
15.	thallium (total)					61.	1,2-dichlorobenzene*		X		
16.	zinc (total)				X	62.	1,3-dichlorobenzene*		X		
17.	acenaphthene		X			63.	1,4-dichlorobenzene*		X		
18.	acenaphthylene		X			64.	3,3'-dichlorobenzidine		X		
19.	acrolein		X			65.	dichlorodifluoromethane*		X		
20.	acrylonitrile		X			66.	1,1-dichloroethane*		X		
21.	aldrin		X			67.	1,2-dichloroethane*		X		
22.	anthracene		X			68.	1,1-dichloroethene*		X		
23.	benzene		X			69.	trans-1,2-dichloroethene*		X		
24.	benzidine		X			70.	2,4-dichlorophenol		X		
25.	benzo(a)anthracene*		X			71.	1,2-dichloropropane*		X		
26.	benzo(a)pyrene*		X			72.	(cis & trans)1,3-dichloropropene*		X		
27.	benzo(b)fluoranthene		X			73.	dieldrin		X		
28.	benzo(g,h,i)perylene*		X			74.	diethyl phthalate*		X		
29.	benzo(k)fluoranthene*		X			75.	2,4-dimethylphenol*		X		
30.	a-BHC (alpha)		X			76.	dimethyl phthalate		X		
31.	b-BHC (beta)		X			77.	di-n-butyl phthalate		X		
32.	d-BHC (delta)		X			78.	di-n-octyl phthalate*		X		
33.	g-BHC* (gamma)		X			79.	4,6-dinitro-2-methylphenol*		X		
34.	bis(2-chloroethyl)ether*		X			80.	2,4-dinitrophenol		X		
35.	bis(2-chloroethoxymethane)		X			81.	2,4-dinitrotoluene		X		
36.	bis(2-chloroisopropyl)ether*		X			82.	2,6-dinitrotoluene		X		
37.	bis(chloromethyl)ether*		X			83.	1,2-diphenylhydrazine*		X		
38.	bis(2-ethylhexyl)phthalate*		X			84.	endosulfan I*		X		
39.	bromodichloromethane*		X			85.	endosulfan II*		X		
40.	bromoform*		X			86.	endosulfan sulfate		X		
41.	bromomethane*		X			87.	endrin		X		
42.	4-bromophenylphenyl ether		X			88.	endrin aldehyde		X		
43.	butylbenzyl phthalate		X			89.	ethylbenzene		X		
44.	carbon tetrachloride*		X			90.	fluoranthene		X		
45.	chlordane		X			91.	fluorene*		X		
46.	4-chloro-3-methylphenol*		X			92.	heptachlor		X		
						93.	heptachlor epoxide		X		

SECTION F. PRIORITY POLLUTANT INFORMATION (CON'T)

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
94.	hexachlorobenzene*		X			112.	PCB-1248*		X		
95.	hexachlorobutadiene		X			113.	PCB-1254*		X		
96.	hexachlorocyclopentadiene*		X			114.	PCB-1260*		X		
97.	hexachloroethane*		X			115.	pentachlorophenol		X		
98.	indeno(1,2,3-cd)pyrene*		X			116.	phenanthrene		X		
99.	isophorone*		X			117.	phenol		X		
100.	methylene chloride*		X			118.	pyrene		X		
101.	napthalene		X			119.	2,3,7,8-tetrachlorodibenzo-p-dioxin*		X		
102.	nitrobenzene		X			120.	1,1,2,2-tetrachloroethane*		X		
103.	2-nitrophenol*		X			121.	tetrachloroethene*		X		
104.	4-nitrophenol*		X			122.	toluene*		X		
105.	n-nitrosodimethylamine*		X			123.	toxaphene		X		
106.	n-nitrosodipropylamine*		X			124.	1,2,4-trichlorobenzene		X		
107.	n-nitrosodiphenylamine*		X			125.	1,1,1-trichloroethane*		X		
108.	PCB-1016*		X			126.	1,1,2-trichloroethane*		X		
109.	PCB-1221*		X			127.	trichloroethene*				X
110.	PCB-1232*		X			128.	trichlorofluoromethane*		X		
111.	PCB-1242*		X			129.	2,4,6-trichlorophenol		X		
						130.	vinyl chloride*		X		

2. For chemical compounds in F-2 above which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed).

[illegible]



3. List any other chemicals known or anticipated to be present in the discharge.

Phosphorus - estimated loss to sewer is 400 lbs/year

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Describe, what if any, laboratory analyses have been conducted on process waste streams in the plant, including which streams were sampled, what parameters were measured, and frequency and type of samples. (The baseline report referred to in G2 below can be referenced in answering this question.)

Analysis conducted by Micon Labs, Warsaw. Samples have been taken  
at the sampling point indicated on the attached sewer layout on a  
periodic basis. The following parameters were measured:

<u>Ph</u>	<u>Total Cadmium</u>	<u>Total Nickel</u>
<u>SS</u>	<u>Total Chromium</u>	<u>Total Silver</u>
<u>Total Cyanide</u>	<u>Total Copper</u>	<u>Total Zinc</u>
<u>Amenable Cyanide</u>	<u>Total Lead</u>	

SECTION G. PRETREATMENT

1. Is this plant subject to an existing Pretreatment Standard?

Yes

2. Is this plant required to submit a baseline report per 40 CFR 403.12? Yes If a baseline report has been prepared, attach a copy to this questionnaire. Copy attached.        If a baseline report is required, but has not yet been prepared, indicate date that it will be submitted. 6/84

3. If subject to Federal Pretreatment Standards, are the standards being met on a consistent basis? (The baseline report can be referred to in answering this question.)

No

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. Are additional pretreatment facilities and/or operation and maintenance required to meet Pretreatment Standards? If additional pretreatment and/or operation and maintenance are required, list the schedule by which they will be provided. (The baseline report can be referred to in answering this question.)

Yes. We are currently performing a plant assessment to be  
used to design a waste water treatment system. We have not  
yet finalized our system design and install schedule. We  
intend to be in compliance with the copper forming point source  
requirements by the published August 15, 1986 deadline.

5. Describe residuals (sludges, precipitates, etc.) that are produced or result at your facility and the methods employed to dispose of the residuals. List names of waste haulers, if applicable.

Waste Trichloroethylene and sludge/Chemsolv, South Bend  
spent chromic acid solution/A-1 Disposal, Plainwell, MI

